

Title (en)
PROCESSING AIDS FOR DIE LIP BUILDUP SUPPRESSION AND USES THEREOF

Title (de)
VERARBEITUNGSHILFSMITTEL ZUR UNTERDRÜCKUNG VON MATRIZENLIPPENAUFBAU UND VERWENDUNGEN DAVON

Title (fr)
AUXILIAIRES DE TRAITEMENT DE SUPPRESSION D'ACCUMULATION DE PRODUIT DANS L'EXTRUDEUSE ET LEURS UTILISATIONS

Publication
EP 3686245 A1 20200729 (EN)

Application
EP 19153474 A 20190124

Priority
EP 19153474 A 20190124

Abstract (en)
Disclosed herein is a composition for suppressed die lip buildup. The composition may comprise from about 20 wt. % to about 98 wt. % of a polycarbonate; from about 0.01 wt. % to about 30 wt. % of a polybutylene terephthalate; from about 0.5 wt. % to about 60 wt. % of a functional filler; from about 0.1 wt. % to about 5 wt. % of an ultra high molecular weight polydimethylsiloxane; and from about 0.01 wt. % to about 30 wt. % of a flame retardant component. The composition may exhibit a notched Izod impact strength of greater than 30 J/m when tested in accordance with ASTM D256 and may exhibit less die buildup during a continuous extrusion process when compared to a substantially similar composition in the absence of the ultra high molecular weight polydimethylsiloxane.

IPC 8 full level
C08L 23/08 (2006.01); **C08L 51/04** (2006.01); **C08L 67/02** (2006.01); **C08L 69/00** (2006.01); **C08L 83/04** (2006.01); **C08G 63/183** (2006.01); **C08K 3/04** (2006.01); **C08K 3/14** (2006.01); **C08K 3/22** (2006.01); **C08K 3/28** (2006.01); **C08K 3/34** (2006.01); **C08K 3/38** (2006.01); **C08K 5/42** (2006.01)

CPC (source: EP US)
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Citation (applicant)
US 7786246 B2 20100831 - JANSEN BERNARDUS JOHANNES PAULUS [NL], et al

Citation (search report)

- [XA] CN 104845317 A 20150819 - QINGDAO TONGCHUANG ENERGY SAVING ENVIRONMENTAL PROT ENG CO LTD
- [XA] CN 104693746 A 20150610 - QINGDAO TONGCHUANG ENERGY SAVING ENVIRONMENTAL PROT ENG CO LTD
- [XAI] US 2015353732 A1 20151210 - WANG HUANBING [CN]
- [A] US 2018258241 A1 20180913 - ZIA QAMER [DE], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (application)
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